

## Product Overview

### MC74ACT139: Dual 1-of-4 Decoder/Demultiplexer

For complete documentation, see the data sheet.

The MC74AC139/74ACT139 is a high-speed, dual 1-of-4 decoder/demultiplexer. The device has two independent decoders, each accepting two inputs and providing four mutually-exclusive active-LOW outputs. Each decoder has an active-LOW Enable input which can be used as a data input for a 4-output demultiplexer. Each half of the MC74AC139/74ACT139 can be used as a function generator providing four minterms of two variables.

### Features

- Multifunction Capability
- Two Completely Independent 1-of-4 Decoders
- Active LOW Mutually Exclusive Outputs
- Outputs Source/Sink 24 mA
- ACT139 Has TTL Compatible Inputs
- These devices are available in Pb-free package(s). Specifications herein apply to both standard and Pb-free devices. Please see our website at [www.onsemi.com](http://www.onsemi.com) for specific Pb-free orderable part numbers, or contact your local ON Semiconductor sales office or representative.

### Part Electrical Specifications

Product	Compliance	Status	Channels	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>pd</sub> Max (ns)	I <sub>O</sub> Max (mA)	Package Type
MC74ACT139DG	Pb-free	Active	2	4.5	5.5	9.5	24	SOIC-16
	Halide free							
MC74ACT139DR2G	Pb-free	Active	2	4.5	5.5	9.5	24	SOIC-16
	Halide free							
MC74ACT139DTG	Pb-free	Active	2	4.5	5.5	9.5	24	TSSOP-16
	Halide free							
MC74ACT139DTR2G	Pb-free	Active	2	4.5	5.5	9.5	24	TSSOP-16
	Halide free							
NLV74ACT139DR2G	AEC Qualified	Active	2	4.5	5.5	9.5	24	SOIC-16
	PPAP Capable							
	Pb-free							
	Halide free							

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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